



Revision Date: 10/09/2003

Issue date: 10/20/2003

**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product name:** Naval Jelly® Rust Dissolver  
**Product type:** Rust Dissolver  
**Company address:**  
Henkel Loctite Corporation  
1001 Trout Brook Crossing  
Rocky Hill, Connecticut 06067

**Item number:** 82075  
**Region:** United States  
**Contact Information:**  
Telephone: 860.571.5100  
Emergency telephone: 860.571.5100  
Internet: www.loctite.com

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Phosphoric acid 7664-38-2	10-30	1 mg/m <sup>3</sup> TWA 3 mg/m <sup>3</sup> STEL	1 mg/m <sup>3</sup> TWA	None
Isopropyl alcohol 67-63-0	1-5	400 ppm TWA 500 ppm STEL	400 ppm TWA 980 mg/m <sup>3</sup> TWA	None
Polysaccharide	1-5	None	None	None
Sulfuric acid 7664-93-9	0.1-1	1 mg/m <sup>3</sup> TWA 3 mg/m <sup>3</sup> STEL	1 mg/m <sup>3</sup> TWA	None

**3. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW****HMIS:**

**Physical state:** Gel  
**Color:** Pink  
**Odor:** Lime

**HEALTH:** 1  
**FLAMMABILITY:** 0  
**PHYSICAL HAZARD:** 0  
**Personal Protection:** See Section 8

**CAUTION:** MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
MAY BE HARMFUL IF SWALLOWED.

**Relevant routes of exposure:** Eye contact, Skin contact, Inhalation, Ingestion

**Potential Health Effects**

**Inhalation:** May cause respiratory tract irritation. Prolonged inhalation of large concentrations can be irritating to lungs, and mucous membranes of nose and throat.  
**Skin contact:** May cause skin irritation.  
**Eye contact:** May cause irritation.  
**Ingestion:** May be harmful if swallowed.

**Existing conditions aggravated by exposure:** Respiratory disorders.

See Section 11 for additional toxicological information.

Item number: 82075

Product name: Naval Jelly® Rust Dissolver

#### 4. FIRST AID MEASURES

<b>Inhalation:</b>	Remove to fresh air. If discomfort persists seek medical attention.
<b>Skin contact:</b>	Immediately flush skin with plenty of water (using soap, if available). If symptoms persist, obtain medical attention.
<b>Eye contact:</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
<b>Ingestion:</b>	Do not induce vomiting. Keep individual calm. Obtain medical attention.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash point:</b>	None.
<b>Autoignition temperature:</b>	Not applicable
<b>Flammable/Explosive limits-lower %:</b>	Not applicable
<b>Flammable/Explosive limits-upper %:</b>	Not applicable
<b>Extinguishing media:</b>	Foam, dry chemical or carbon dioxide.
<b>Special fire fighting procedures:</b>	None
<b>Unusual fire or explosion hazards:</b>	Not flammable, however Hydrogen gas may be liberated if product contacts powdered metals or metals above 185°F.
<b>Hazardous combustion products:</b>	None known.

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Environmental precautions:</b>	Prevent product from entering drains or open waters.
<b>Clean-up methods:</b>	Ensure adequate ventilation. Neutralize acid using lime or a lime based agent compatible with the product. Soak up with inert absorbent. Flush with water. Store in a closed container until ready for disposal.

#### 7. HANDLING AND STORAGE

<b>Handling:</b>	Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling.
<b>Storage:</b>	Keep from freezing.
<b>Incompatible products:</b>	Caustics. Powdered metals.

For information on product shelf life contact Henkel Loctite Customer Service at (800) 243-4874.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering controls:</b>	General ventilation is acceptable if the exposure to materials in section 2 is maintained below applicable exposure limits. Refer to OSHA standards 1910.94, 1910.107, 1910.108
<b>Respiratory protection:</b>	Not normally required.
<b>Skin protection:</b>	Disposable rubber or plastic gloves.

Item number: 82075

Product name: Naval Jelly® Rust Dissolver

**Eye/face protection:** Safety goggles or safety glasses with side shields.

See Section 2 for exposure limits.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Gel  
**Color:** Pink  
**Odor:** Lime  
**Vapor pressure:** Low  
**pH:** 1.5 - 2.5  
**Boiling point/range:** Approximately 100°C (212°F)  
**Melting point/range:** Not applicable  
**Specific gravity:** 1.191  
**Vapor density:** Not available  
**Evaporation rate:** Not available  
**Solubility in water:** Soluble  
**Partition coefficient (n-octanol/water):** Not available  
**VOC content:** 5.17%; 60.4 grams/liter

## 10. STABILITY AND REACTIVITY

**Stability:** Stable  
**Hazardous polymerization:** Will not occur.  
**Hazardous decomposition products:** Hydrogen, by reaction with metals  
**Incompatibility:** Powdered metals. Caustics.  
**Conditions to avoid:** Storage with incompatible materials.

## 11. TOXICOLOGICAL INFORMATION

### Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Phosphoric acid	No	No	No
Isopropyl alcohol	No	No	No
Polysaccharide	No	No	No
Sulfuric acid	No	Group 1	Yes

### Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Phosphoric acid	Corrosive, Irritant
Isopropyl alcohol	Allergen, Blood, Central nervous system, Irritant, Kidney, Liver, Brain, Spleen
Polysaccharide	Irritant
Sulfuric acid	Corrosive, Irritant, Lung, Human carcinogen

## 12. ECOLOGICAL INFORMATION

**Ecological information:** Not available

### 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Dispose of according to Federal, State and local governmental regulations.

**EPA hazardous waste number:** Not a RCRA hazardous waste. Waste must be tested to determine the applicable EPA hazardous waste numbers.

### 14. TRANSPORT INFORMATION

The shipping classifications in this section are for non-bulk packaging only (unless otherwise specified). Shipping classification may be different for bulk packaging.

#### U.S. Department of Transportation Ground (49 CFR):

**Proper shipping name:** Corrosive liquid, acidic, inorganic, n.o.s. ( Phosphoric acid )  
**Hazard class or division:** 8  
**Identification number:** UN 3264  
**Packing group:** III  
**Exceptions:** (Not more than 4L) Consumer Commodity ORM-D  
**Marine pollutant:** None

#### International Air Transportation (ICAO/IATA):

**Proper shipping name:** Corrosive liquid, acidic, inorganic, n.o.s. ( Phosphoric acid )  
**Hazard class or division:** 8  
**Identification number:** UN 3264  
**Packing group:** III

#### Water Transportation (IMO/IMDG):

**Proper shipping name:** Corrosive liquid, acidic, inorganic, n.o.s. ( Phosphoric acid )  
**Hazard class or division:** 8  
**Identification number:** UN 3264  
**Packing group:** III  
**Marine pollutant:** None

### 15. REGULATORY INFORMATION

#### United States Regulatory Information

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.  
**TSCA 5 (a) (2) SNUR:** None.  
**TSCA 12 (b) Export Notification:** None.

**CERCLA/SARA Section 302 EHS:** None.  
**CERCLA/SARA Section 311/312:** Immediate Health Hazard  
**CERCLA/SARA 313:** This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Isopropyl alcohol (CAS# 67-63-0).

**California Proposition 65:** This product contains a chemical known to the State of California to cause cancer. Xanthylum, 9-(2-carboxyphenyl)-3,6-bis(diethylamino)- chloride (CAS# 81-88-9).

#### Canada Regulatory Information

**CEPA DSL/NDL Status:** All components are listed on or are exempt from listing on the Domestic Substances List.  
**WHMIS hazard class:** D.2.A, D.2.B, E

## 16. OTHER INFORMATION

**This material safety data sheet contains changes from the previous version in sections:**  
New Material Safety Data Sheet format.

**Prepared by:** Rajal Dhruva, Health and Regulatory Affairs Specialist

**DISCLAIMER:** The data contained herein are furnished for information only and are believed to be reliable. However, Henkel Loctite Corporation does not assume responsibility for any results obtained by persons over whose methods Henkel Loctite Corporation has no control. It is the user's responsibility to determine the suitability of Henkel Loctite's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Henkel Loctite Corporation's products. In light of the foregoing, Henkel Loctite Corporation specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Henkel Loctite Corporation's products. Henkel Loctite Corporation further disclaims any liability for consequential or incidental damages of any kind, including lost profits.